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Docket Number (Optional)
02560036AA

Application Number
09/632,803

Applicant(s)
Rappaport et al.

#7

Filing Date 8-4-00

Group Art Unit **2763**

U.S. PATENT DOCUMENTS

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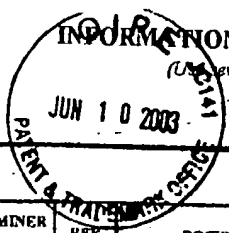
MB	1. Article "Building Database Manipulator" Copyright, January 1998; MPRG and Virginia Tech
	2. PCS 97 Track 7; "Engineering & Systems Management; T. Rappaport
MB	3. Propagator; Vol. 8, No. 3; Fall 1997.
	4.SMT Plus 1.0 User's Manual; R. Skidmore & T. Rappaport; Copyright, August 1996; Virginia Tech

EXAMINER

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25 March 2004

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INFORMATION DISCLOSURE CITATION
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Docket Number (Optional) 02560036	Application Number 09/632,803
Applicant(s) T. Rappaport et al.	
Filing Date 8/4/00	Group Art Unit #5

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	1	4,675,147	6-23-87	Schaefer et al.	—	—	4-6-83
	2	4,736,453	4-5-88	Schloemer	—	—	12-10-85
	3	4,885,694	12-5-89	Pray et al.	—	—	4-29-87
	4	5,111,392	5-5-92	Malin	—	—	6-9-89
	5	5,119,307	6-2-92	Blaha et al.	—	—	12-22-89
	6	5,239,487	8-24-93	Horejsi et al.	—	—	10-24-90
	7	5,293,640	3-8-94	Gunmar et al.	—	—	
	8	5,307,261	4-26-94	Maki et al.	—	—	6-28-91
	9	5,337,149	8-9-94	Kozah et al.	—	—	11-12-92
	10	5,339,184	8-16-94	Tang	—	—	6-15-92
↓	11	5,375,123	12-20-94	Andersson et al.	—	—	2-5-93

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REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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Applicant(s)

T. Rappaport et al.

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Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NS	12	5,394,522	2-28-95	Sanchez-Frank et al.	—	—	9-13-93
	13	5,450,615	9-12-95	Fortune et al.	—	—	12-22-93
	14	5,458,123	10-17-95	Unger	—	—	4-29-94
	15	5,465,390	11-7-95	Cohen	—	—	2-12-93
	16	5,482,050	1-9-96	Smokoff et al.	—	—	2-17-94
	17	5,485,568	1-16-96	Venable et al.	—	—	10-8-93
	18	5,491,644	2-13-96	Pickering et al.	—	—	9-7-93
	19	5,491,837	2-13-96	Haartsen	—	—	3-7-94
	20	5,493,679	2-20-96	Virgil et al.	—	—	10-29-93
	21	5,515,269	5-7-96	Willis et al.	—	—	11-8-93
✓	22	5,528,518	6-18-96	Bradshaw et al.	—	—	10-25-94

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MB	23	5,539,665	7-23-96	Lanning et al.	—	—	7-25-94
	24	5,553,312	9-3-96	Gathey et al.	—	—	6-20-94
	25	5,553,620	9-10-96	Snider et al.	—	—	5-2-95
	26	5,555,354	9-10-96	Strasnick et al.	—	—	3-23-93
	27	5,561,841	10-1-96	Markus	—	—	
	28	5,564,070	10-8-96	Want et al.	—	—	7-30-93
	29	5,594,946	1-14-97	Menich et al.	—	—	2-28-95
	30	5,598,532	1-28-97	Liron	—	—	10-21-93
	31	5,625,827	4-29-97	Krause et al.	—	—	12-23-94
	32	5,636,344	6-3-97	Lewis	—	—	8-22-91
V	33	5,689,355	11-18-97	Okubo et al.	—	—	7-1-96

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Applicant(s)

T. Rappaport et al.

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Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AB	34	5,761,093	6-2-98	Urbish et al.	—	—	5-8-97
	35	5,794,128	8-11-98	Brockel et al.	—	—	9-20-95
	36	5,799,154	8-25-98	Kuriyan	—	—	6-27-96
	37	5,809,282	8-15-98	Cooper et al	—	—	6-7-95
	38	5,815,395	9-29-98	Hart et al.	—	—	6-29-95
	39	5,828,960	10-27-98	Tang et al.	—	—	3-31-95
	40	5,831,610	11-3-98	Tonelli et al.	—	—	2-23-96
	41	5,832,389	11-3-98	Dent	—	—	4-3-96
	42	5,861,887	1-19-99	Butler et al.	—	—	12-5-95
	43	5,867,112	2-2-99	Kost	—	—	5-14-91
	44	5,877,777	3-2-99	Colwell	—	—	4-7-97

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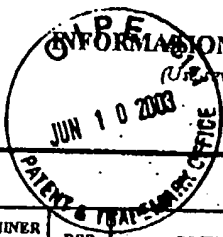
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Applicant(s) T. Rappaport et al.		
Filing Date 8/4/00		Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AB</i>	45	5,878,328	3-2-99	Chawla et al.	—	—	12-21-95
	46	5,907,850	5-25-99	Krause et al.	—	—	1-21-97
	47	5,917,808	6-29-99	Kosbab	—	—	1-17-97
	48	5,923,850	7-13-99	Barroux	—	—	6-28-96
	49	5,926,762	7-20-99	Arpee et al.	—	—	5-17-96
	50	5,940,196	8-17-99	Piehler et al.	—	—	5-16-97
	51	5,945,976	8-31-99	Iwamura et al.	—	—	12-10-96
	52	5,948,055	9-7-99	Pulsipher et al.	—	—	8-29-96
	53	5,949,335	9-7-99	Maynard	—	—	4-14-98
	54	5,949,988	9-7-99	Feisullin et al.	—	—	4-3-97
<i>↓</i>	55	5,953,669	9-14-99	Stratis et al.	—	—	12-11-97

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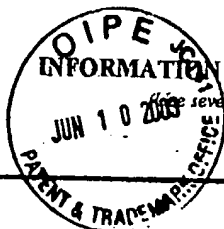
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Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AB	56	5,963,867	10-5-99	Reynolds et al.	—	—	8-16-95
	57	5,970,406	10-19-99	Komara	—	—	12-31-96
	58	5,987,328	11-16-99	Ephremides et al.	—	—	4-24-97
	59	6,006,021	12-21-99	Tognazzini	—	—	7-1-96
	60	6,018,625	1-25-00	Hayball et al.	—	—	8-27-97
	61	6,021,316	2-1-00	Heiska et al.	—	—	
	62	6,032,105	2-29-00	Lee et al.	—	—	7-31-97
	63	6,038,547	3-14-00	Casto	—	—	1-7-98
	64	6,044,273	3-28-00	Tekinay	—	—	12-10-96
	65	6,058,102	5-2-00	Drysdale et al	—	—	11-6-98
✓	66	6,058,262	5-2-00	Kawas et al.	—	—	4-18-97

FOREIGN PATENT DOCUMENTS

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T. Rappaport et al.

Filing Date

8/4/00

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AB	67 6,059,842	5-9-00	Dumarot et al.	—	—	4-14-98
	68 6,061,722	5-9-00	Lipa et al.	—	—	12-23-96
	69 6,075,541	6-13-00	Maclinovsky	—	—	11-7-97
	70 6,088,522	7-11-00	Lee et al.	—	—	7-31-97
	71 6,104,699	8-15-00	Holender et al.	—	—	
	72 6,108,309	8-22-00	Cohoe et al.	—	—	12-8-97
	73 6,111,857	8-29-00	Soliman et al.	—	—	9-11-97
	74 6,122,083	9-19-00	Ohta et al.	—	—	10-3-94
	75 6,148,010	11-14-00	Sutton et al.	—	—	6-24-98
	76 6,199,032	3-6-01	Anderson	—	—	7-22-98
	77 6,204,813	3-20-01	Wadell et al.	—	—	2-20-98

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Group Art Unit

U.S. PATENT DOCUMENTS

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AR	78	6,208,833	3-27-01	Preschutti et al.	—	—	6-24-97
	79	6,229,540	5-8-01	Tonelli et al.	—	—	10-13-98
	80	6,253,086	6-26-01	Parantainen et al.	—	—	3-25-99
	81	6,285,377	9-4-01	Greenbaum et al.	—	—	6-26-97
	82	6,289,203	9-11-01	Smith et al.	—	—	2-25-98
	83	6,317,599	11-13-01	Rappaport et al.	—	—	5-26-99
	84	6,326,987	12-4-01	Alexander	—	—	12-19-00
	85	6,330,005	12-11-01	Tonelli et al.	—	—	10-6-99
	86	6,311,144	10-30-01	Abu El Ata	—	—	7-31-98
	87	6,337,688	1-8-02	Berstis	—	—	1-29-99
	88	6,338,031	1-8-02	Lee et al.	—	—	9-23-99

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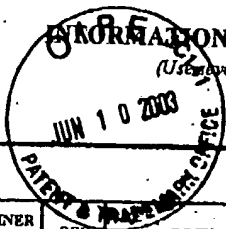
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INFORMATION DISCLOSURE STATEMENT
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Socket Number (Optional) 02560036A		Application Number 09/632,803
Applicant(s) T. Rappaport et al.		
Filing Date 8/4/00	Group Art Unit	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AB</i>	89	6,356,758	3-12-02	Almeida et al.	—	—	12-31-97
	90	6,393,432	5-21-02	Flansburg et al.	—	—	6-2-99
	91	6,408,312	6-18-02	Forthman et al.	—	—	8-30-99
	92	6,442,507	8-27-02	Skidmore et al.	—	—	12-29-98
	93	6,470,195	10-22-02	Meyer	—	—	10-31-00
	94	6,487,417	11-26-02	Rossoni et al.	—	—	11-24-99
	95	6,493,679	12-10-02	Rappaport et al.	—	—	5-26-99
	96	6,496,290	12-17-02	Lee	—	—	12-17-98
	97	6,499,006	12-24-02	Rappaport et al.	—	—	7-14-99
	98	6,505,045	1-7-03	Hills et al.	—	—	4-10-00
<i>↓</i>	99	5,586,254	12-17-96	Kondo	—	—	

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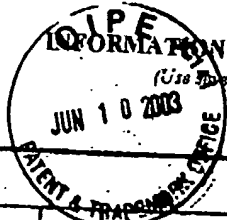
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MPEP INFORMATION DISCLOSURE CITATION

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02560036A

Application Number

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Applicant(s)

T. Rappaport et al.

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8/4/00

Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE, IF APPROPRIATE
MS	100	6,085,335	7-4-00	Djoko et al.	—	—	12-31-97
	101	5,710,758	1-20-98	Soliman et al.	—	—	9-29-95
	102	5,821,937	10-13-98	Tonelli et al.	—	—	8-12-96
	103	5,774,669	6-30-98	George et al.	—	—	7-28-95
	104	5,802,146	9-1-98	Dulman	—	—	11-22-95
	105	5,825,759	10-20-98	Liu	—	—	7-24-95
	106	5,845,124	12-1-98	Berman	—	—	5-1-96
	109	6,199,032	3-6-01	Anderson	—	—	7-22-98
	110	5,467,441	11-14-95	Stone et al.	—	—	10-6-94
	111	6,243,772	6-5-01	Ghori et al.	—	—	1-31-97
✓	112	5,994,984	11-30-99	Stancil et al.	—	—	5-29-98

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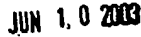
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INFORMATION DISCLOSURE STATEMENT

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Docket Number (Optional) 02560036A	Application Number 09/632,803
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EXAMINER
INITIALS

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AB	1	T. Bahl, V. Padmanabhan, and A. Balachandran, "A Software System for Locating Mobile Users: Design, Evaluation, and Lessons," Microsoft Technical Report, April 2000
AB	2	G. Durgin, T.S. Rappaport, H. Xu, "Measurements and Models for Radio Path Loss and Penetration Loss in and Around Homes and Trees at 5.85 GHz," IEEE Transactions on Communications, vol. 46, no. 11, November 1998.
AB	3	C.M. Peter Ho et al., "Antenna Effects on Indoor Obstructed Wireless Channels and a Deterministic Image-Based Wide-Band Propagation Model for In-Building Personal Communications Systems," International Journal of Wireless Information Networks, Vol. 1, No. 1, 1994.
AB	4	S. Kim et al., "Radio Propagation Measurements and Predictions Using Three-dimensional Ray Tracing in Urban Environments at 908 MHz and 1.9 GHz," IEEE Transactions on Vehicular Technology, vol. 48, no. 3, May 1999
AB	5	T.S., Rappaport et al., "Use of Topographic Maps with Building Information to Determine Antenna Placements and GPS Satellite Coverage for Radio Detection and Tracking in Urban Environments," MPRG Technical Report MPRG-TR-95-14, Virginia Tech, September 1995
AB	6	R.K. Morrow, Jr. and T.S. Rappaport, "Getting In," Wireless Review Magazine, March 2000.
AB	7	Wireless Valley Communications, Inc. "SitePlanner 3.0 for Windows 95/98/NT User's Manual," Software User's Manual, pp. 5-146 to 5-156, 1999. 1-185, 1998. 3.0
AB	8	M. Panjwani et al., "Interactive Computation of Coverage Regions for Wireless Communication in Multifloored Indoor Environments," IEEE Journal on Selected Areas in Communications, Vol. 14, No. 3, April 1996.
AB	9	L. Piazzzi and H.L. Bertoni, "Achievable Accuracy of Site-Specific Path-Loss Predictions in Residential Environments" IEEE Transactions on Vehicular Technology, vol. 48, no. 3, May 1999.
AB	10	T.S. Rappaport et al., "Wireless Communications: Past Events and a Future Perspective", IEEE Communications Magazine, May 2002.
AB	11	T.S. Rappaport et al., "Radio Propagation Prediction Techniques and Computer-Aided Channeling Modeling for Embedded Wireless Microsystems," ARPA Annual Report, MPRG Technical Report MPRG-TR-94-12, Virginia Tech, Jul 1994.
AB	12	T.S., Rappaport et al., "Use of Topographic Maps with Building Information to Determine Antenna Placements for Radio Detection and Tracking in Urban Environments," MPRG Technical Report MPRG-TR-95-14, Virginia Tech, November 1995

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INFORMATION DISCLOSURE CITATION

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JUN 10 2003

PROJECT NUMBER (Optional)

0256003

Application Number

09/632,803

Applicant(s)

T. Rappaport et al.

Filing Date

8/4/00

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Docket Number (Optional)

02560036AA

Application Number

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T. Rappaport et al.

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